



Digital Satellite Receiver with Embedded CryptoWorks SRT 6505

User Manual

SAFETY INSTRUCTIONS



CAUTION
 RISK OF ELECTRIC SHOCK
 DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE FOR SERVICING.

Explanation of WARNING symbols



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of not isolated dangerous voltage within the inside of the product that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Read the following instructions carefully

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR ANNOYING INTERFERENCE, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE AND ONLY USE THE RECOMMENDED ACCESSORIES.

- **Read All Instructions** — Before you use the product, read all operating instructions. For more information on accessories such as the lithium ion battery, refer to the manuals provided with those products
- **Save These Instructions** — Save all safety and operating instructions for future reference
- **Heed Warnings** — Read carefully and follow all warning labels on the product and those described in the instructions.
- **Follow Instructions** — Follow all instructions provided with this product
- **Cleaning** — Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product
- **Attachments** — For your safety, and to avoid damaging the product, use only accessories recommended by STRONG.
- **Water and Moisture** — Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement, swimming pool or in the rain)
- **Location** — To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod, bracket, table or cart. Mount only on a stable tripod, stand, or bracket. Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer
- **Power Sources** — Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company
- **Refer to instruction pages** for information on using the product with a battery
- **Grounding, Polarization** — If this product is used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and then reinsert it. If the plug still fails to fit, contact an electrician and have the receptacle replaced
- **Protecting the Power Cord** — The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords



General precautions

Safety precautions

- **Lightning** — If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the receiver when the receiver is not in use
- **Overloading** — Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs
- **Foreign Objects, Liquid Spillage** — To avoid personal injury caused by fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage
- **Heat** — Never use or store this product near any heat source such as a radiator, heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers
- **Servicing** — Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points
- **Damage Requiring Service** — If you notice any of the conditions described below while using a specified AC adapter, unplug it from the wall outlet and refer servicing to qualified service personnel:
 1. Liquid has been spilled onto the product or some other object has fallen into the product.
 2. The product has been exposed to water.
 3. The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions as improper adjustment of other controls could damage the product and require extensive repair work by a qualified technician.
 4. The product has been dropped or damaged in any way.
 5. The product exhibits a distinct change in performance.
- **Replacement Parts** — When replacement parts are required, make sure that the authorized service center uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electrical shock, or create other hazards
- **Safety Check** — Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working order
- **Apparatus** shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Where the mains plug or all-pole mains switch is used as the disconnect device, the disconnect device shall remain readily operable.

SAVE THESE INSTRUCTIONS

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1.0 INTRODUCTION

1.1 Overview

This satellite receiver was designed for Digital satellite receiver with CryptoWorks embedded. It enables you to tune in on the hundreds of digital te

technology. It performs numerous functions to provide you with a variety of services.

1.2 Main Features

- Embedded Smartcard Reader to watch programmes encrypted by CryptoWorks Conditional Access*
- For all digital Free-To-Air TV and Radio channels via satellite
- Pre-programmed with most popular channels
- Excellent Audio & Video quality
- Quick and easy installation & user-friendly menu
- Over 3 000 TV channel memory capacity and 1 000 radio channel memory capacity
- Digital sound through coaxial output (S/PDIF) by connecting to digital amplifier
- Parental lock function for menu and selectable per channel
- 5 Favourite lists for TV-and Radio channels
- Teletext via receiver and TV
- Display showing channel number or time
- Power switch
- Electronic TV Programme Guide (EPG) for on screen programme information of present/following event information up to 4 days
- Subtitle, 7 timer functions and sleep timer
- Multi-lingual audio track support
- Multi-lingual support on screen menu (OSD), such as English, German, Czech, Slovak, Hungarian, Bulgarian, Turkish
- Edit function for TV and radio programme name, favourite group name, and transponder information
- Future-proof: Software update via satellite (OTA)
- Signal strength bar for digital transponders
- Automatic and manual channel scan options
- Power on with last viewed channel
- User-friendly remote control with coloured function buttons (Infrared up to 7 meters)
- Supports Tone Burst, DiseqC 1.0 - DiseqC 1.2, USALS
- PAL/ NTSC/ SECAM compatible
- Connectors: SAT IN, SAT OUT, 1 TV SCART (RGB,CVBS, Y/C, Audio), 1 VCR SCART (CVBS, Y/C, Audio), 2 RCA (Audio L&R), coaxial Digital Audio: S/PDIF, Separate power switch

* Precondition is an activated and valid CryptoWorks smartcard

2.0 SAFETY/PRECAUTIONS

2.1 Safety Instructions

DO NOT INSTALL YOUR RECEIVER:

- In a closed or poorly ventilated cabinet; directly on top of or under any another equipment; on a surface which might obstruct the ventilation slots

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:

- To direct sunlight or near any other equipment that generates heat; to rain or intense moisture; to intense vibration or to any shock which may cause permanent damage to your receiver or to any magnetic objects, such as loudspeakers, transformers, etc.
- Do not use a damaged power cord. It may cause a fire or an electrical shock. Do not touch the power cord with wet hands. It may cause an electric shock

- Never open the cover. It is dangerous to touch the inside of the receiver due to high voltage, currents and possible electrical hazards. Your warranty will be void if the receiver has been opened
- When the receiver is not used for a long period of time, you should switch OFF the receiver (Power Switch) and unplug the power cord from the wall socket
- Do not use alcohol or ammonia based liquids to clean the receiver. If you wish, you may clean your receiver with a soft lint-free cloth slightly made damp with a mild soap solution, only after disconnecting from the main power supply. Make sure no foreign objects fall through the ventilation slots because this could cause fire or an electric shock
- Do not place any objects on top of the receiver because this might prevent proper cooling of the components inside

Safety Precautions

- Do not open the receiver cover, as you will be exposed to a shock hazard. It will also void your warranty. Refer all maintenance or servicing to qualified personnel
- When you are connecting the cables, be sure that the receiver is disconnected from the main power supply. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment
- It is a necessity that you only use an approved extension and compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the receiver

If the receiver does not operate normally even after strictly following the instructions in this user manual, it is recommended to consult your dealer

2.2 Storage

Your
When un
from one
accessories. Failing to comply with such packaging procedures could void your warranty.

2.3 Equipment Set-up

We recommend you consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:

- Refer to the user manual of your TV and your antenna.
- Make sure that the SCART cable and outdoor components are in a good condition and the SCART connections are well shielded

This manual provides complete instructions for installing and using this receiver. The following symbols will serve as follow.

 **Warning** Indicates warning information.

 **Tips** Indicates any other additional important or helpful information.

MENU Represents a button on the remote control or the receiver

Move to Represents a menu item within a window

3.0 ACCESSORIES

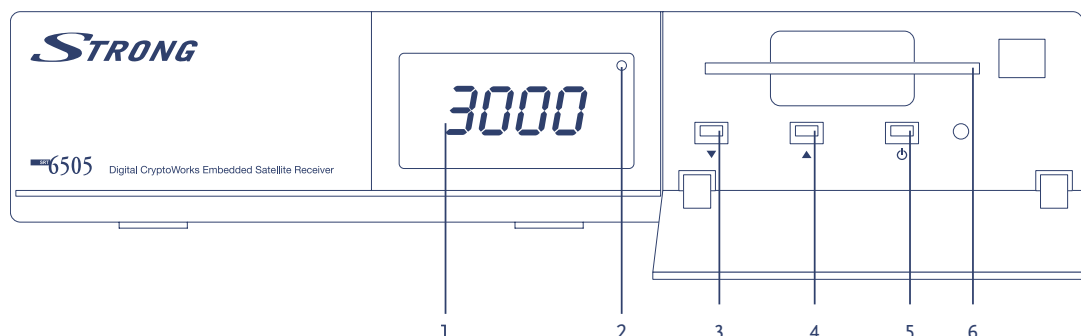
The following have been packed in your receiver box:

- User's manual: 1 Pc.
- Remote control: 1 Pc.
- Batteries (AAA Type): 2 Pcs.

 **Note:** If any accessory listed above is missing, contact the point of purchase.

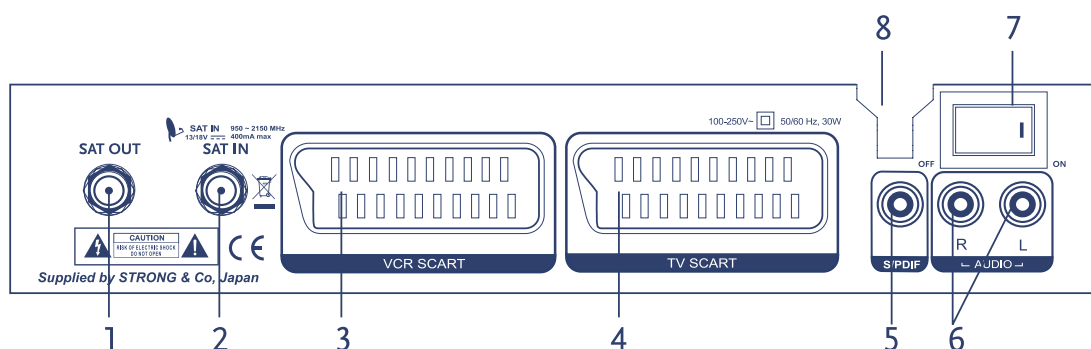
4.0 CONTROLS/FUNCTIONS

4.1 Front Panel



1. **LED (4 Digit)**
Displays the time in “Stand-By” mode and the channel number when the unit is operating.
2. **IR Sensor**
Detects the infra-red command signals generated by the remote control handset
- 3 & 4. **Channel ▼ & ▲**
Move the cursor Up or Down in an application screen or change channels sequentially Up or Down in normal operation.
5. **Power Button**
Switches the receiver between “Stand-By” and “On” modes
6. **Smart card reader**
Insert your CryptoWorks smart card with golden contacts facing down.

4.2 Rear Panel



1. **SAT OUT**
Gives you the possibility to connect an extra receiver (analogue or digital).
2. **SAT IN**
Connect the cable from your LNB on the satellite dish to this connector.
3. **VCR SCART**
To connect your receiver to your video recorder using a scart cable. Your video signal will now be looped through your receiver to your TV set.
4. **TV SCART**
To connect your receiver to your TV set using a SCART cable.
5. **S/PDIF Digital audio output**
Use this coaxial output to connect your receiver to the input of your digital audio amplifier
6. **AUDIO-R and AUDIO-L**
Audio Right (RED) and Audio Left (White) RCA connectors to connect to audio amplifier
7. **Power On/Off switch**
8. **Power Cord**
Your receiver requires a current of 90 - 250 V AC (Auto-selectable), 50/60 Hz +/-5%.
Make sure to check the power specification before connecting your receiver to the wall outlet.

4.3 Remote Control



1. **Power** Switches the receiver between Stand-By & On modes
2. **Mute** Mutes the audio output
3. **Numeric Keys (0~9)** For direct entry of channel number or input of alphanumeric characters
4. **FAV** Displays the current favorite channels list
5. **INFO** Displays the available information on the viewed channel
6. **SETUP** Accesses the receiver set-up menu
7. **RECALL** Goes back to the previously viewed channel
8. **TEXT** Displays the teletext contents of the viewed channel, if teletext is transmitted
9. **EPG (Electronic Program Guide)** Provides program content information. Press again to return to viewing mode
10. **CH ▲/▼** Change channels sequentially up or down in viewing mode and move the cursor up or down in an application screen
11. **VOL ◀/▶** Alter the audio output level up or down in viewing mode and change the selected item's setting in an application screen
12. **OK** Selects an item or confirms a choice
13. **MENU** Accesses the main menu
14. **EXIT** To return to previous status or menu
15. **TV** Switches to TV channel list
16. **LANG** Select sound mode or audio language
17. **RADIO** Switches to Radio channel list

5.0 USING THE REMOTE CONTROL

5.1 Batteries

How to insert the batteries

- Open the cover at the top of the rear side of the handset
- Insert two 'AAA' type batteries (1.5 V), respecting the indicated polarity +/- signs
- Close the cover

When to replace the batteries

- When the operational range of the handset gets smaller, or when the receiver no longer responds to each and every command. Always replace both batteries at the same time.

Accident prevention

- Do not recharge, heat or disassemble the batteries
- Make sure the intended polarity alignment is respected
- If the handset is not going to be used for some time, take the batteries out. If not, the batteries may leak and cause damage to the handset

5.2 Range Of Operation

-
- Transmission distance does not exceed 7m

**Note:**

When the handset is not operational

Replace the batteries and make sure the receiver is connected to the power supply

**Note:**

Abnormal operation

Disturbance from peripheral devices may occur. You will need to move the object that is generating the disturbance.

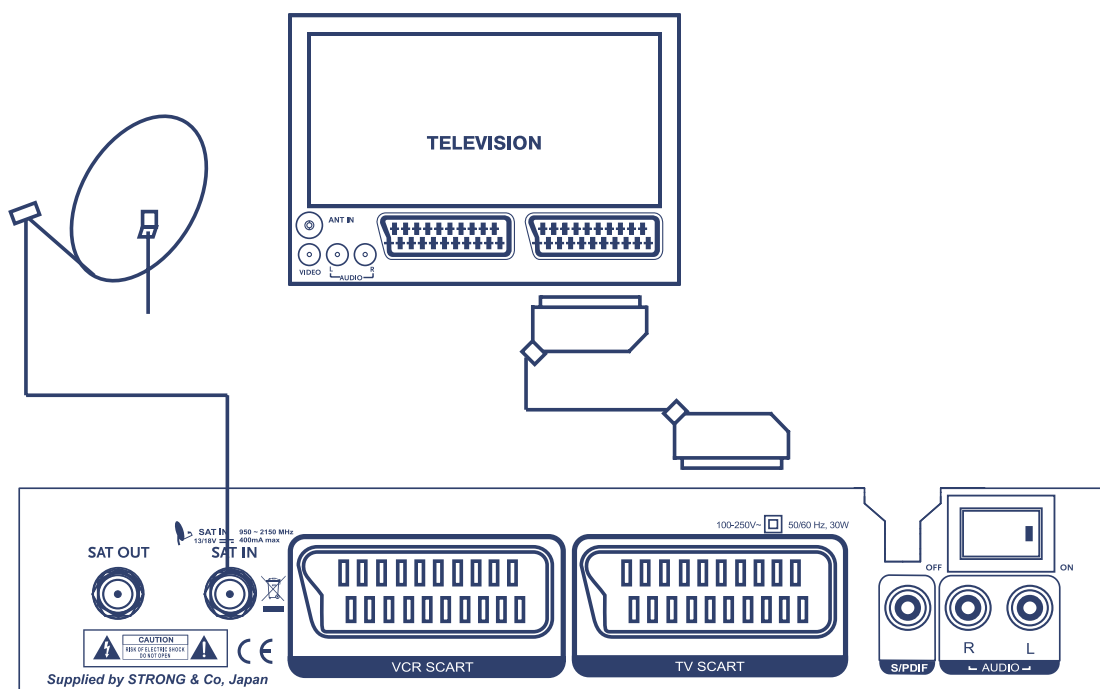
**Note:**

Notes for handling

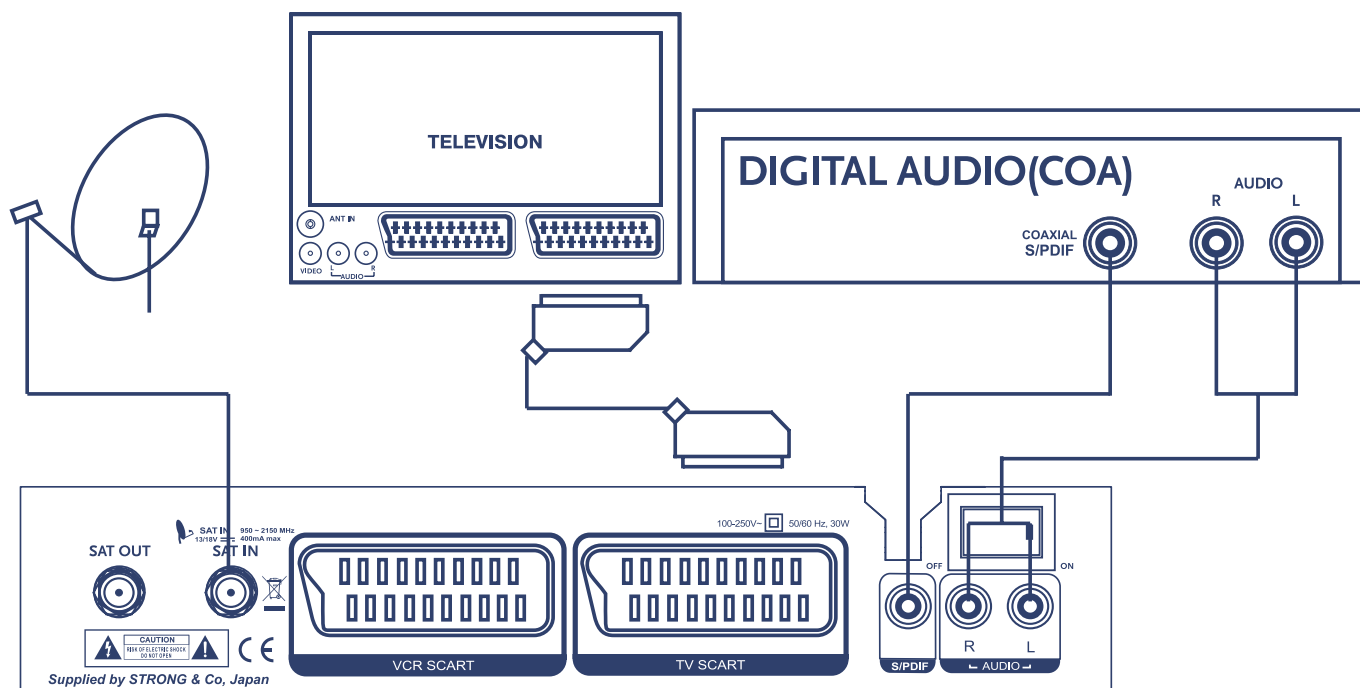
In the event the receiver is exposed to heat or water, operating it could be dangerous. Have the unit checked by a qualified technician prior to operating it again

6.0 CONNECTING THE RECEIVER

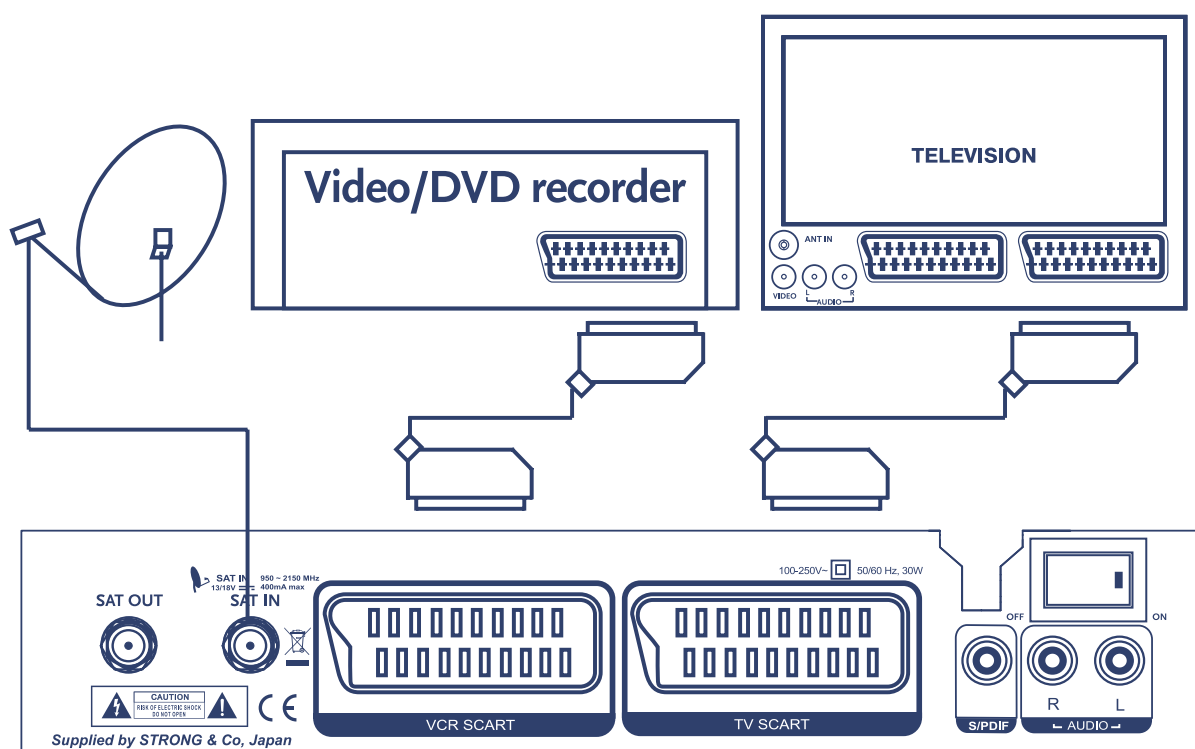
6.1 To a TV set, using TV SCART connection.



6.2 To a Hi-Fi system and a TV set, using both A/V connections



6.3 To a Video or DVD recorder and a TV set, using both SCART connections



7.0 STARTING UP FOR THE FIRST TIME

Ensure that all connections are done in correct way. If you are not sure about this then ask your local Strong dealer to check your installation or satellite signal. . Check

Once you start the receiver for the first time a country selection dialog will be displayed. Select your country from the list using **VOL** ◀/▶ buttons. If your country is not in the list select “Other”. After selection of country a specific settings for selected country will be loaded. For each country from the list we have pre-loaded most popular channels.

If your antenna is primed to your selected satellite, you will get a picture and sound on your TV, otherwise the message “Invalid or no signal” will appear on your TV screen.

In this case do following steps:

1. Press **OK** button on your remote control. Channel list will be displayed
2. Press **EXIT** button. This will move focus to the field with name of satellite
3. Using **VOL** ◀/▶ buttons select satellite where your antenna is pointed and press **OK**
4. Focus will be moved back to channel list. Select channel of your choice and press **OK** button to confirm.

It ca

installation as described below in “8.2 Setup menu”. See “8.2.2 Antenna setup” and “8.2.3 Channel search”.

8.0 SETUP AND OPERATION

8.1 Before Setup

Information

A menu is a field of text, displayed on the TV screen. Selectable menu items are generally highlighted. Items that are not highlighted cannot be selected. Most menus display explanatory information at the bottom of the screen.

8.2 Setup Menu

To install the receiver properly you have to perform a “Setup Procedure”. After you finish the setup procedure, you can start watching TV or listening to Radio. During the basic settings, the short information is displayed at the bottom of the menu screen.

- Turn on your TV and receiver
- Press the **SETUP** button to display the setup mode. You will be asked to enter PIN code. Using numeric buttons enter PIN code “1234”. This is default PIN code and it can be changed later, as described in “Setup Lock/PIN”
- Use the **CH ▲/▼** and **VOL ◀/▶** buttons to move across a menu page
- When you have reached the required item, press the **OK** button to confirm your choice
- Press **EXIT** to return to quit the mode

8.2.1 System Setup

Press the **OK** button on ‘System Setup’ in the Setup Menu.

Set the Video Format, TV Type, Scart RGB output, GMT Offset, Positioner, LNB Reference and Summer Time.

- Use **CH ▲/▼** to move up and down in the list.
- Use **VOL ◀/▶** to change the setting.

Video Format: MULTI / PAL I, B, G or K / SECAM / NTSC

TV Type: Standard (4:3) / Wide (16:9) and aspect conversion PAN SCAN/Letter box

Scart RGB: On / Off

Positioner: Yes / No

Teletext type: STB/VBI

GMT Offset: +12:00 ~ -12:00

Summer Time: On / Off

- Upon reaching the required settings, press **OK** to store the setting.
- Press **EXIT** to go back to the previous mode.

8.2.2 Antenna Setup

Press **OK** on ‘Antenna Setup’ in the Setup Menu.

Set the satellite, LNB Frequency, 22 kHz Tone, DiSEqC mode, LNB Power and Positioner setup.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

SAT: select satellite from the stored list. To include satellite to the list of satellites available for Channel search you need to select it with **OK** button. Selected satellites marked with symbol. If you want to rename selected satellite – press **INFO** button.

LNB Type: select between Universal / Wide Band / OSC C- Band / C-Band / Ku-Band / Unicable / Standard Sat. Make your selection depending from installed LNB.

High L.O.: enter the frequency of Local Oscillator for High band. Refer to your LNB manual.

Low L.O.: enter the frequency of Local Oscillator for Low band. Refer to your LNB manual.

22 kHz Tone: On / Off / Auto - Make your selection depending from installed LNB.

DiSEqC: Off / DiSEqC A, B, C or D / Tone A or B. If you have DiSEqC 1.0 or Tone Burst switch installed

LNB Power: H/V / 14V / 18V / Off

Positioner: None / DiSEqC 1.2 / USALS. If you use antenna mounted on the DiSEqC 1.2 positioner then select “DiSEqC 1.2”. If your positioner is USALS compatible then select “USALS”.

8.2.2.1 DiSEqC 1.2 positioner setup

Mount

installed by a professional.

In “Antenna Setup” menu set “Positioner” to “DiSEqC 1.2” and press **OK** button to enter to “Antenna position” menu.

- Use **CH ▲/▼** to move up and down in the list.
- Use **VOL ◀/▶** to change the setting.

Satellite: select satellite position of which you would like to setup.

Transponder: select reference transponder which should be used for signal quality indication.

Move: when this item is highlighted press **VOL ◀/▶** to move dish in East/West direction accordingly.

Save position: highlight this item and press **OK** to store current position of the dish for selected satellite. The symbol shown near menu item once position is stored.

Reference position: highlight this item and press **OK** if you need to turn dish to reference position (0 degree position).

Function: *Set west limit / Set east limit* – select it and press **OK** if you want to store current position of the dish as west / east limit; *Disable limit / Enable limit* – select and press **OK** to disable / enable limits; *Recalculate* – select and press **OK** to recalculate positions of all satellites based on adjustment for current satellite; *Nudge west / Nudge east* – select and press **OK** for fine adjustment of the dish position; *Nudge tilt up / Nudge tilt down* – use this command if your positioner support adjustment of elevation.

Antenna status: show you current status of the antenna (stopped, moving to East/West).

Signal Quality: show quality of signal for selected reference transponder. Adjust antenna position in order to get maximum level of the Signal Quality.

- Press **EXIT** to go back to the previous mode.

8.2.2.2 USALS positioner setup.

installed by a professional.

In “Antenna Setup” menu set positioner to “USALS” and press **OK** button to enter to “Antenna position” menu.

- Use **CH ▲/▼** to move up and down in the list.
- Use **VOL ◀/▶** to change the setting.

Satellite: select satellite position of which you would like to setup.

Transponder: select reference transponder which should be used for signal quality indication.

My longitude: set longitude of your location.

My latitude: set latitude of your location.

Move: highlight this item and press **◀** button to turn dish to the position corresponded to the selected satellite. Press **▶** button to stop dish.

Reference position: highlight this item and press **OK** if you need to turn dish to reference position (0 degree position).

Signal Level and Quality: show level and quality of signal for selected reference transponder. Adjust longitude and latitude of your location in order to get maximum values of the Signal Level and Quality indicators.

- Press **EXIT** to go back to the previous mode.

8.2.3 Channel Search

Press **OK** on ‘Channel Search’ in the Setup Menu.

Set the *Satellite, Tune Method, Transponder, Frequency, Symbol Rate, FEC and Function.*

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Satellite Name: choose from the list of satellites selected in “Antenna setup” menu.

Tune Method: Main options are:

“Sat” – receiver will search channels according to stored list of transponders.

“Sat – NIT” – receiver will search channels according to stored list of transponders and in addition use network information. This mode allows you to find all channels, even from new appeared transponders.

“TP” – this method is to search channels from one transponder.

“TP – NIT” – receiver will search channels from one transponder and in addition use network information. This mode recommended if you want to search channels of particular broadcaster only.

Sub options are:

“Free” –	receiver will search only Free To Air channels
“Free+Scr” –	receiver will search for all channels
Transponder:	select index from the stored list
Frequency:	value of transponder frequency in MHz
Symbol Rate:	value of symbol rate in kSymbols Per Second
Polarity:	Horizontal / Vertical / Right / Left
FEC:	Auto, 1/2, 2/3, 3/4, 5/6, 7/8
Function:	Append/Delete/Change
AGC Signal:	Indicates received signal strength level

8.2.3.1 How to search for channels:

Highlight “Tune method” field and press **OK**. Receiver will start channel scan. Names of the found channels will be shown in the two columns: for TV and Radio separately.

You can interrupt search process by pressing to **OK** or Exit button.

If you press **OK** button: search process will be interrupted and you can select one of the following options:

- *Save* – to save all found channels
- *Unselect* – to unselect some unwanted channels from the list. Use **OK** button to unselect channels and **VOL** ◀/▶ buttons to switch between TV and Radio list. Once you finish – press **EXIT** button, select “Save” and press **OK**. Only selected channels will be stored in the memory
- *Cancel* – to cancel result of search. No channels will be stored in the memory

If you press **EXIT** button: search process will be interrupted and no channels stored in the memory.

8.2.3.2 How to add new transponder:

- set “Tune method” to “TP” or “TP+NIT”
- move focus to “Frequency” and enter value in MHz
- move focus to “Symbol rate” and enter value in kSPS
- move focus to “Polarity” and select value
- move focus to “FEC” and select value or set “Auto”
- move focus to “Function” select “Append” and press **OK**. Message “Saving data...” will be shown on screen. New transponder will be added to the end of the list

8.2.3.3 How to delete present transponder:

- set “Tune method” to “TP” or “TP+NIT”
- move focus to “Transponder” and choose transponder you want to delete
- move focus to “Function” select “Delete” and press **OK**. Message “Saving data...” will be shown on screen. Selected transponder deleted from the list

8.2.3.4 How to correct/edit parameters of the transponder:

- set “Tune method” to “TP” or “TP+NIT”
- move focus to “Transponder” and choose transponder you want to modify
- move focus to “Frequency” and enter value in MHz
- move focus to “Symbol rate” and enter value in kSPS
- move focus to “Polarity” and select value
- move focus to “FEC” and select value or set “Auto”
- move focus to “Function” select “Change” and press **OK**. Message “Saving data...” will be shown on screen. Modified data are stored in the memory.
- Press **EXIT** to go back to the previous mode.

8.2.4 Setup Lock/PIN

Press **OK** on 'Setup Lock/PIN' in the *Setup Menu*. Set the *Menu Lock*, *Change the PIN*, enter the *New PIN* and confirm the *Confirm PIN*.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Menu Lock: On/Off

Change PIN: Press **OK** if you want to change.

New PIN: Enter your new 4-digit code

Confirm PIN: Confirm your new 4-digit code

 **Note:** The default PIN is '1234'

Press **EXIT** to go back to the previous mode.

8.2.5 Time Setting

Press **OK** on 'Time Setting' in the *Setup Menu*. Set the *Local Time*, *Sleep Time*, *Timer Status* and *Program the Timer*.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Local Time: if you want to correct time and date then enter in format dd/mm/yyyy - day – hh:mm

Sleep Time: 0 ~ 180 min. Receiver will be turned off after selected time interval.

Timer: select timer number

Status: Disabled/Enabled. If Enabled – receiver will be turned on within selected channels at defined "start time" and turned off after "duration" interval

Channel type: TV/Radio.

Channel number: enter channel number. If you use multi satellite installation – make sure to enter channel number in "All satellites" mode.

Channel name: displayed automatically and depends from channel number.

Start time: enter start time in format dd/mm/yyyy - day – hh:mm

Duration: enter duration in hh:mm format.

 **Note:** Timer also can be programmed from EPG. See "Program Guide" chapter of this manual.

- Press **OK** to store settings and go back to the previous mode.

8.2.6 Factory Default

Press **OK** on 'Factory Set' in the *Setup Menu*. Confirm whether you wish to go back to the factory default settings.

This function will reset all settings to the factory default settings and clear the memory.

8.3 Main Menu Settings

From the *Main Menu* you can access to the *Program Guide*, *Channel Sorting*, *Language Preference Settings*, *Favorites Editing*, *Channel Editing*, *Smart card information* and *Software Version information*.

- Press **MENU**
- Use **CH ▲/▼** to move up and down the list
- Use **VOL ◀/▶** to change the setting
- Upon reaching the required menu line, press **OK** to enter the setting
- Press **EXIT** to go back to the previous mode

8.3.1 Program Guide

This menu displays same information as described in chapter 8.4.4. Press **OK** on 'Program Guide' in the *Main Menu*.

8.3.2 Sort Channels

Press **OK** on 'Program Search' in the *Main Menu*.

- Use **VOL** ◀/▶ to select an alphabetical letter.
- Press **OK** to confirm your choice.
- Use **CH** ▲/▼ to move up and down in the list.
- Use **VOL** ◀/▶ to scroll pages Down or Up.
- Pressing **OK** on the highlighted channel calls that channel and closes this menu.
- Press **EXIT** twice to go back to the previous mode.

8.3.3 Language

Press **OK** on the 'Language Preference'. Select the menu language and Logo for Radio channel

Menu Language: Available English / Hungarian / Czech / Slovak / Bulgarian / Turkish / German

Radio Ch Logo: enable or disable logo for Radio channels

- Use **CH** ▲/▼ to move upwards and downwards in the menus.
- Use **VOL** ◀/▶ to change the values in the alternatives.
- When you have reached the required subject menu, press **OK** to confirm your selection.
- Press **EXIT** to go back to the previous mode.

8.3.4 Edit Channels

Press **OK** on the 'Edit Channel'.

Select the *Edit channel* menu.



TV/Radio Channel



Move Channel



Add to Favorite



Lock Channel



Delete Channel



Add Channel



Edit Name

Use **EXIT** button to toggle between channel lists and function selection.

To toggle between TV and Radio lists highlight function and use **CH** ▲/▼ to select list.

To return to menu press **EXIT** button when any function is highlighted. You will be required to confirm or discard changes that you have made.

8.3.4.1 Move channel

To move channel highlight icon and press **OK**. Highlight the channel which you want to move and press **OK**. If you want to move group of channels – highlight and select with **OK** button all channels that you want to move. Once you finish selection of channels, select position in the channel list where to move selected channels and press **RECALL** button. Press **EXIT** to return to function selection or continue to move other channels if you want.


8.3.4.2 Add to favourite list

To add channel to favourite list highlight icon and press **OK**. Highlight the channel which you want to add to favourite group and press **OK**. List of favourite groups will be displayed on screen. Select group of your choice and press **OK**. Continue to add other channels if you wish. If you wish to remove channel from favourite group select group "[0] – unselect". Press **EXIT** to return to function selection.


8.3.4.3 Lock channel

Lock fun

example)


To lock channel highlight  icon and press **OK**. Highlight the channel which you want to lock and press **OK**. If you wish to unlock channel then repeat selection with **OK** button. Press **EXIT** to return to function selection.

8.3.4.4 Delete channel

To delete channel highlight  icon and press **OK**. Highlight the channel which you want to delete and press **OK**. Continue to select other channels that you wish to delete. If you wish to unlock channel then repeat selection with **OK** button. Press **EXIT** to return to function selection.

8.3.4.5 Add channel


channel. Before use this function you need to know details of channel which want to add.

To add new channel highlight  icon and press **OK**. Below menu will be displayed.

Select satell

this menu. Highlight "*Channel name*" and press **OK**. Enter channel name with keypad displayed. Enter value of *Audio*, *Video* and *PCR PID* and press **OK**. Press **EXIT** to return to function selection.

8.3.4.6 Edit channel name

To edit channel name highlight  icon and press **OK**. Select channel which name you wish to edit and press **OK**. Use displayed keyboard to edit the name, select *Save* function to store new name or *Cancel* to discard changes. Press **EXIT** to return to function selection.

8.3.5 Smart Card

You can enjoy not only Free-To-Air services but also CryptoWorks embedded service channels. To view CryptoWorks embedded service channels, just insert Smart card into slot. Once you insert the smart card, you will see CryptoWorks embedded service channels. If you need further information, contact your service provider or distributor.

General Card Information: Card Label and Additional Info/ Set Maturity Rating/ Smart Card Pin Code Change/ Available Program Providers

Available Entitlements: in this menu you can check validity period of your smart card.

Profile Information: Current Mode/Profile/ Image ID/ Hardware Version/ Loader Version

8.3.5.1 General Card Information

Choice General Card information, you can find information of Smart Card as followings

Card Label and Additional Info: to check following information Card Label/Smart Card Address /Card Valid until/Current Maturity Rate

Set Maturity Rating: *Current Maturity Rate/Set Maturity Rate.*

Your broadcaster can assign maturity rating for each program.

If you have children and want to deny their access to the programs with maturity rate above their age set maturity rating value to age of your children.

You, or your children, will be asked to enter smart card PIN code in case when maturity rating of program content is above of maturity rating that you have set in this menu.

 **Note:** We recommend to use different PIN codes for the smart card and for the receiver.

Smart Card Pin Code Change: *Enter Old Pin / Enter New Pin / Confirm New Pin.* In this menu you can change PIN code of your smart card.

Available Program Providers: information about program providers.

8.3.6 About

Press **OK** on the 'About'.

It shows model name, application Ver., and device version.

System software update.

To download latest software version highlight "*Update*" and press **OK**.

Receiver will check if newest version is available. In case it is available you will be asked to confirm update. In case no new software is available you will get corresponded message.

- Press **EXIT** to go back to the previous mode.

8.4 General Viewing Information

8.4.1 Program Information

Information on the currently viewed program appears for a few seconds, when you press **INFO**.



8.4.2 TV/Radio Channels List

While watching TV or listening to Radio you can call the channel list by pressing **TV/RADIO** or **OK** button. The picture in the preview screen is that of the highlighted channel, which can be changed with the **CH ▲/▼**. **VOL ◀/▶** scrolls *Channel List* pages Down or Up. Pressing **OK** on a highlighted channel calls that channel and exits the Channel List.

To sort channels in various modes press **EXIT** while focus of the list is pointed to the channels.

If you have multi satellite installation then field with satellite name will be highlighted. Use **VOL ◀/▶** to select satellite of your choice.

Press **OK** to return to the channel list.

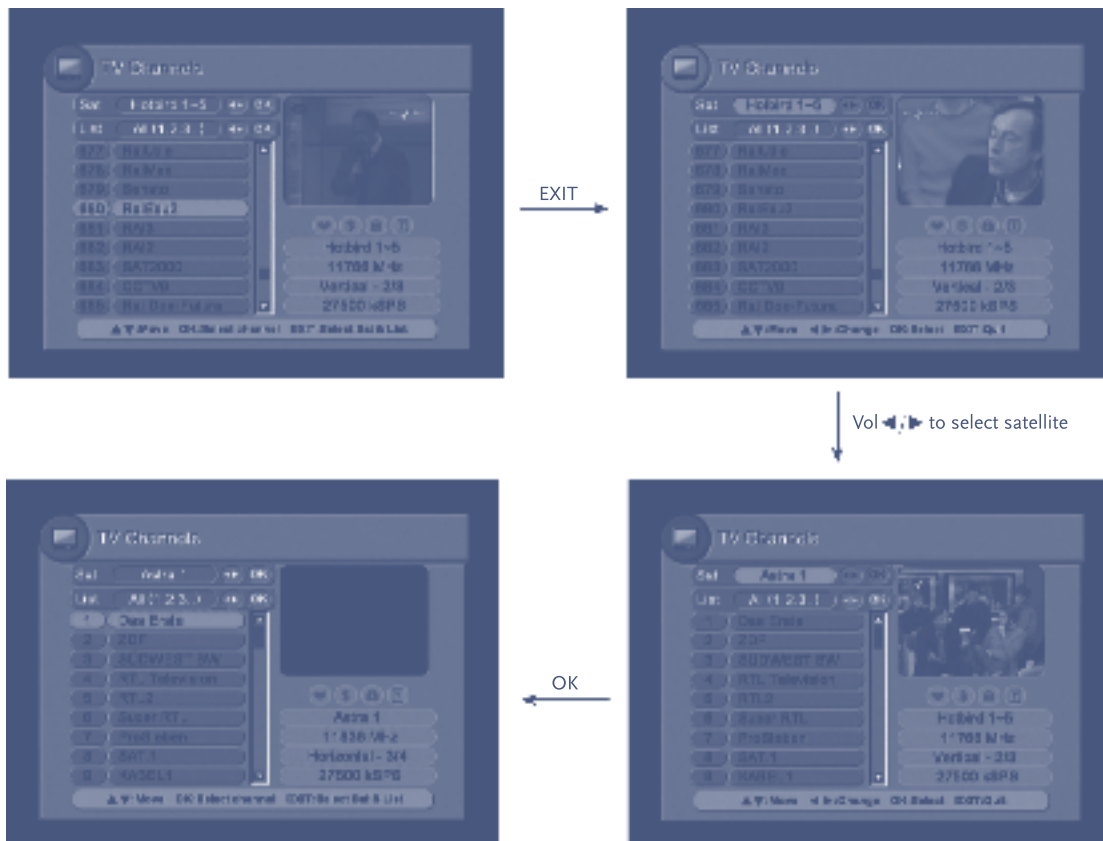
Highlight "List" to sort channels by alphabet, number of FTA.

- mode "ALL (1,2,3..)" is to display all channels from current satellite in channel number order
- mode "ALL (A.B.C..)" is to display all channels from current satellite in Alphabet order
- mode "Free (1,2,3..)" is to display only FTA channels from current satellite in channel number order
- mode "Free (A.B.C..)" is to display only FTA channels from current satellite in Alphabet order

Press **OK** to return to the channel list.

To exit from the channel list press **OK** when channel is highlighted or press **EXIT** button twice.

TV Channel List – satellite selection



TV Channel List – channels sorting



Radio list is similar to TV list. To select between TV and Radio list use **TV/RADIO** button while channel list is displayed on screen.

8.4.3 Favorite Channels Lists

While watching TV or listening to Radio you can call the respective favorite channels list by pressing **FAV**. If you press **FAV** button while watching TV channel – the list of TV Favourite channels will be displayed. If you press **FAV** button while listening to Radio – the list of Radio Favourite will be displayed. In case you didn't add any channels to Favourite lists, it would not appear.

To change between Favourite lists you can use **FAV** button or press **EXIT** button while Favourite list is displayed. The "List" field will be highlighted. Use **VOL** ◀/▶ to select Favourite list and press **OK** once finished.

To return back to ALL channels mode press **TV/RADIO** button.

8.4.4 Program Guide

Press **EPG** to access the electronic program guide, if available from the broadcaster.

Once you enter to Program Guide the "Now & Next" mode is selected. You can select mode "Schedule" if press **VOL** ▶ or you can change between TV and Radio list if press **VOL** ◀ button.

Now & Next mode

Select "Now & Next" and press **OK**. Select channel of your choice using **CH** ▲/▼ buttons. Select program information using **VOL** ◀/▶ buttons. Below channel list you can see extended description of the highlighted program.

To view detailed description of the program press **OK** button.

Schedule mode

This mode displays scheduled program information for current channel

Select "Schedule" and press **OK**. Select program of your choice and press **OK** to see detailed program information.

To reserve **Timer** for selected program press **RECALL** button and confirm timer settings.

To view scheduled information for another channel exit from schedule mode, select channel in "Now & Next" mode and finally select schedule mode.

8.4.5 Selection of alternate audio track or audio mode

Press **LANG** to access the audio language selection screen.

- Use **CH ▲/▼** to move up and down the list.
- Use **VOL ◀/▶** to change the setting.

Track: 1 of 1,2... Select

Mode: Stereo / Mono Left / Mono Right

Level: Normal / High / Low

Language: displays name of the audio track if available

Subtitle: Select subtitle language if available (broadcaster dependent).

- Press **OK** to confirm your selection and close this menu.

8.4.6 Recall

Press **RECALL** to recall the previous channel.

8.4.7 Teletext

Press **TXT** to access the Teletext service if available from the broadcaster.

A.1 TROUBLE SHOOTING

Occasional

power, wait 30 seconds and connect it to mains power again and check if the unit is working as expected.

If the receiver does not work properly after checking the trouble shooting section, please contact the dealer. Don't open the receiver cover, it may cause an electrical shock due to high current voltage and the warranty of your receiver will be void.

Symptom	Cause	Solution
The LED display on front panel do not light up	The power cord is not plugged in or main switch on rear panel is switched OFF.	Check if the power cord is plugged in the wall outlet. Switch main power to ON.
No picture and sound	TV is set to wrong channel	Check if the TV is switched on and set your TV to the correct EXT/ AV
	Problem in SCART cable connections between receiver and TV	Firmly press the SCART connectors on the rear side of the TV and receiver. Replace the SCART cable
	Receiver "hang-up"	Switch off the receiver; disconnect the main power cord of the receiver from the 230 V main power. After 30 seconds reconnect to the main power and check if it is working properly
No sound	The receiver or TV is in "MUTE" mode	Press the MUTE button on the remote control unit of your receiver and TV
No sound on one TV channel	This channel is programmed on AC 3 audio which disabled the normal audio output to TV-set	Select TV channel, press AUDIO button, select normal audio
Message "scrambled channel"	The smart card is not validated	Contact your local provider
Message "Please check your smart card"	The smart card is placed up side down or a wrong smartcard is used	Insert the smartcard with the copper contacts on the bottom. Check if smartcard is meant for these channels.
Message "No or Bad signal" during bad weather conditions (heavy rain or snow)	This is normal, the bad weather is interfering with the signal between the satellite and dish	Once the weather is better the picture will appear. If not, check if there is snow on your dish

Symptom	Cause	Solution
Message "No or Bad signal"	Wrong satellite selected in the menu	Press the SETUP button on the RCU and select the correct satellite in the menu "Antenna Setup".
	Wrong parameters set in the menu	Check settings in LNB- and Channel set up menu
	Wrong alignment of the dish or problem with coax cable	Ask your dealer to check the outdoor unit and antenna coaxial cable or F-connector to LNB
Remote control is not working	The batteries of the remote control are not inserted or exhausted	Check whether the batteries are inserted correctly in your remote control. Check the batteries, and if they are exhausted, replace them

A.2 SPECIFICATIONS

Tuner

Input Frequency Range:	950 ~ 2150 MHz
Input signal level:	-65 ~ -25dBm
LNB Power:	13/18 V DC, max. 400 mA
LNB switch control:	22 kHz
DiSEqC Version 1.0 & 1.2 compatible, USALS	

Demodulator

Modulation:	QPSK
Input Symbol Rate:	2 ~ 45 Ms/s
SCPC & MCPC signals from C & KU band satellites	

Video Decoder

Profile level:	MPEG-2 Main profile @ Main level
Data Rate:	Up to 15 Mbit/s
Video Resolution:	720 x 576, 720 x 480
Video Format:	NTSC, PAL, SECAM
Aspect Ratio:	4:3, 16:9

Audio Decoder

MPEG-1/MusiCam Layer I & II;	
Audio mode:	Mono, Dual mono, Stereo
Sampling Rate:	32, 44.1, 48 kHz

Connectors

SAT IN	
SAT OUT	
1 TV SCART (RGB,CVBS, Y/C, Audio)	
1 VCR SCART (CVBS, Y/C, Audio)	
2 RCA (Audio L & R)	
Coaxial Digital Audio:	S/PDIF
Power switch	

System & Memory

Main Processor:	STi5518
Flash Memory:	2 MBytes
SDRAM:	8 MBytes

General Data

Supply Voltage:	100 - 250 V AC (SMPS) 50/60 Hz
Power Consumption:	14 W
Stand-by Mode:	<13 W
Operating Temperature:	+5 ~ +45 °C
Storage Temperature:	0 ~ +50 °C
Humidity:	25 ~ 70 %
Size (WxHxD) in mm:	214 x 42 x 157
Weight:	0.93 kg

Subject to alterations. In consequence of continuous research and development technical specifications, design and appearance of
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ENVIRONMENTAL ISSUES

STRONG is committed to reducing the impact of its products on the environment.
To maximise the benefits of our design enhancements, your co-operation is required.

Electronic product recycling

Do not dispose of this product with your domestic rubbish.

At the end of its useful life, this product contains materials which when processed correctly can be recovered and recycled. By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.

When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronically products in your area. User of this service will be free to you.

Within the scope of the European legislation on Waste Electrical and Electronic Equipment (Directive 2002/96/EC valid as of August 2005) STRONG provides a recycling system free of charge for consumers to returning products after end of life. For more information about STRONG's environmental policy to you:

www.strong.tv - select "About us" and "Environmental Policy" from the submenu.



Packaging

When disposing of this product packaging, please ensure that it is recycled. Packaging material is to be depolluted in waste separation.



Power Saving

To save power and money, please put the product into standby mode when not in use. We also recommend disconnection from mains supply when not in use for longer periods of time.



Batteries

Do not dispose of the batteries from your handset with your domestic waste.

Where they are available, participate in your local municipal or retailer collection schemes for spent batteries. Batteries discarded in landfill sites or incinerated increases the chances of pollutants being dispersed into the atmosphere.

